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U. S. DEPARTMENT OF AGRICULTURE,
BUREAU OF ENTOMOLOGY—BULLETIN No. 94.
L. O. HOWARD, Entomologist and Chief of Bureau.

INSECTS INJURIOUS TO FORESTS AND
FOREST PRODUCTS.

CONTENTS AND INDEX.

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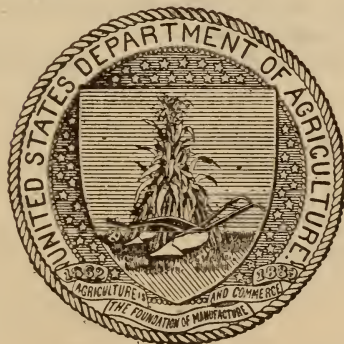
INSECTS INJURIOUS TO FORESTS AND
FOREST PRODUCTS.

I. DAMAGE TO CHESTNUT TELEPHONE AND TELEGRAPH POLES
BY WOOD-BORING INSECTS.

By THOMAS E. SNYDER, M. F., *Agent and Expert.*

II. BIOLOGY OF THE TERMITES OF THE EASTERN
UNITED STATES, WITH PREVENTIVE
AND REMEDIAL MEASURES.

By THOMAS E. SNYDER, M. F., *Entomological Assistant*
Forest Insect Investigations.



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PREFACE.

Bulletin 94, entitled "Insects Injurious to Forests and Forest Products," consists of two parts and an index.

Part I, "Damage to Chestnut Telephone and Telegraph Poles by Wood-Boring Insects," by Thomas E. Snyder, comprises the results of a special study of a serious damage to the base of standing chestnut telephone and telegraph poles by the wood-boring larva of a beetle designated by the author as the chestnut telephone-pole borer (*Parandra brunnea* Fab.).

Part II, "Biology of the Termites of the Eastern United States, with Preventive and Remedial Measures," by Thomas E. Snyder, is based mainly on investigations and experiments conducted during the past three years by Mr. Snyder in connection with his work in the Branch of Forest Insect Investigations. It also includes unpublished notes by Messrs. H. G. Hubbard and F. L. Odenbach. Termites are among the most destructive insects to both crude and finished forest products in North America, among which may be listed construction timbers in bridges and wharves, telephone and telegraph poles, hop poles, mine props, fence posts, lumber piled on the ground, railroad ties, and the woodwork of buildings. The sudden crumbling of bridges and wharves, the caving in of mines, and the settling of floors in buildings, are sometimes directly due to the concealed work of these insects. The use of untreated wood-pulp products, such as the various composition-board substitutes for lath, etc., is restricted in the Tropics and southern United States because of the ravages of termites. In the cities of Washington, Baltimore, St. Louis, Cleveland, New York, and Boston, and throughout the eastern and southern United States, damage by termites to the woodwork of buildings is occasionally serious.

Methods of prevention and control against injuries to finished and utilized forest products, etc., are based on the results of experiments conducted by this branch of the bureau.

A. D. HOPKINS,
Forest Entomologist.

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ERRATUM.

Page 10, footnote *a*, for *Priorus* read *Prionus*.

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